

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-260500

(43)Date of publication of application : 23.10.1990

(51)Int.Cl.

H05K 9/00

(21)Application number : 01-078020

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(22)Date of filing : 31.03.1989

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## (54) ELECTROMAGNETIC WAVE SHIELDING TAPE

### (57)Abstract:

**PURPOSE:** To improve permeability and to obtain high shielding effect for both an electric field and a magnetic field by forming a high permeability amorphous alloy layer at least on one side face of a conductive metal foil tape by at least one layer electric plating method.

**CONSTITUTION:** A conductive metal foil 4 is dipped in a plating bath 6 including amorphous alloy thin film forming metal ions, a voltage is applied with the foil 4 as a cathode and with platinum, etc., as an anode 5 to electrolytically precipitate amorphous alloy in the foil 4. Thus, the surface of the foil 4 is covered with the amorphous alloy having high permeability by a plating method to obtain an electromagnetic wave shielding material having excellent electric field and magnetic field shielding effects.

